

## ABSTRACT

## VIDEO IMAGE DISPLAY FOR A VEHICLE ENVIRONMENT SURVEILLANCE UNIT

**[00021]** A video image display (1) for a vehicle environment surveillance unit (0). The environment information is acquired by a camera (3) and processed into image information by a computer or processor (2). The produced image information is then displayed for the vehicle operator on a video image display (1). In order to be able to inform the vehicle operator regarding a malfunction (for example, a static image), acquired image information is stored in an intermediate memory (4). The most recently recorded image is then compared with the image information in intermediate memory using an image processing algorithm (5) and in the case that impermissible deviations are detected the displayed video image is modified or the video display is switched off. In the framework of the comparison of the image information, additional vehicle operating parameters (6) are taken into consideration, in order that a reliable check of the functioning of the video image display becomes possible. The system includes for this a supplemental warning means (7) independent of the video image display (1) which informs the vehicle operator of malfunctions.